



**Extensive standard equipment**

- Extra heavy, wide machine bed with heavy ribbing and one-piece mono-block construction
- Induction-hardened and ground guide slots ensure long-term accuracy and minimum wear
- Massive headstock with high-precision main spindle on a tapered roller bearing with 100 mm spindle bore for excellent stability under heavy loads
- Very quiet operation at maximum spindle speed
- All guideways are generously sized and gears are hardened and ground

Specifications DL S		425/1500	425/3000	425/4000	425/5000	515/1500	515/3000	515/4000	515/5000
Center width	mm	1500	3000	4000	5000	1500	3000	4000	5000
Turning diameter over bed	mm			850				1000	
Turning diameter over support	mm			520				720	
Turning diameter over bridge	mm			1150				1350	
X axis travel	mm			600				600	
Z axis travel	mm	1380	2800	3800	4800	1380	2800	3800	4800
Z1 axis travel	mm			250				250	
Tool dimensions	mm			32 x 32				32 x 32	
Max. part weight	kg			4000				4000	
Bridge length	mm			470				470	
Bed width	mm			600				600	
Speed range	rpm			5 - 630				5 - 630	
Spindle bore	mm			100				100	
Spindle mount				A2 - 11				A2 - 11	
X axis feed	mm/min			(64) 0,04 - 4,8				(64) 0,04 - 4,8	
Z axis feed	mm/min			(64) 0,08 - 9,6				(64) 0,08 - 9,6	
Z1 axis feed	mm/min			(64) 0,02 - 2,4				(64) 0,02 - 2,4	
X axis rapid feed	mm/min			1800				1800	

- Manual 4-step auxiliary gearbox, premium frequency drive technology combined with main spindle motor ratings up to 18.5 kW allow exact tuning of speed and torque for heavy-duty machining
- Joystick control for X and Z-feeds is mounted directly to support
- Rapid feed for X and Z-axes allow quick support positioning and less down-time
- Adjustable overload clutch in apron protects the feed mechanics from damage and failure



Support with top slide

**Options**

**Part No.**

DL 425 S:		
• Motorized tailstock movement		251 157
• 3-jaw chuck (500 mm)		251 158
• Rest (100 - 520 mm)		251 156
• Taper turning feature		251 155
• Coolant concentrate 5 L		103 184
DL 515 S:		
• Motorized tailstock movement		251 161
• 3-jaw chuck (500 mm)		251 162
• Rest (300 - 720 mm)		251 160
• Taper turning feature		251 159
• Coolant concentrate 5 L		103 184

**Standard Equipment:**

3-axis position indicator, 4-jaw faceplate chuck Ø 800 mm (DL S 425), 4-jaw face-plate chuck Ø 1000 mm (DL S 515), 4-station tool holder, steady rest 40 - 350 mm (except 425/1500 S and 515/1500 S), follow rest 30 - 120 mm (except 425/1500 S and 515/1500 S), steady center, reducing sleeve, chuck guard, support guard, coolant system, work lamp, operating tool, operator manual

For additional options for this machines, visit our website and search for DL S (product search)

Specifications DL S		425/1500	425/3000	425/4000	425/5000	515/1500	515/3000	515/4000	515/5000
Z axis rapid feed	mm/min			3640				3640	
Top-slide swivel range				90°				90°	
Tapping - metric	mm			(56) 1 - 120				(56) 1 - 120	
Tapping - inch				(56) 30 - 1/4				(56) 30 - 1/4	
Thread cutting, module	m			(56) 0,5 - 60				(56) 0,5 - 60	
Thread cutting, diametric	DP			(56) 60 - 0,5				(56) 60 - 0,5	
Tailstock quill taper diam.	mm			MK 6 / Ø 120				MK 6 / Ø 120	
Tailstock quill stroke	mm			250				250	
Main motor rating	kW			15				18,5	
Feed motor rating	kW			1,1				1,1	
Coolant system motor rating	kW			0,15				0,15	
Total connected load	kVA			20				23	
Voltage	V			400				400	
Dimensions (LxWxH)	mm	3650x1500	5150x1500	6150x1500	7150x1500	3650x1500	5150x1500	6150x1500	7150x1500
Weight	kg	5600	5900	6800	8300	5600	6800	8400	9500
Part No. with position indicator		301 510	301 511	301 512	301 513	301 514	301 515	301 516	301 517